CS536 Project 3 Michael Tuchler Drew Kyser

We used the parser generator Java Cup to create a parser for the Carrot language. We wrote rules that check for proper grammar and syntax, and then uses these parsed statements to build an abstract-syntax tree of the input file. Our input file contains code that is correctly parsed into an AST, and creates a node for all of the specified Nodes in the ast.java file.

The input file code tests for:
-DeclNodes of various types
-Functions that include FnBody
-Variables of different types
-Structs and accessing their fields using the dot (.) operator
-Calling another function
-All of the operators under the ExpNode section

And all of the other nodes specified in the file. We hope that your evaluation comfirms our testing and that our project meets the standards accordingly.